

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P709841

Luminaire Tested: **4AWWS-L3C3-HO-UNV-3500K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4AWS-L3C3-HO-UNV-3500K-LOW
Description: 4foot, Wide Adapt Surface Wrap with, RD lens and LOW lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

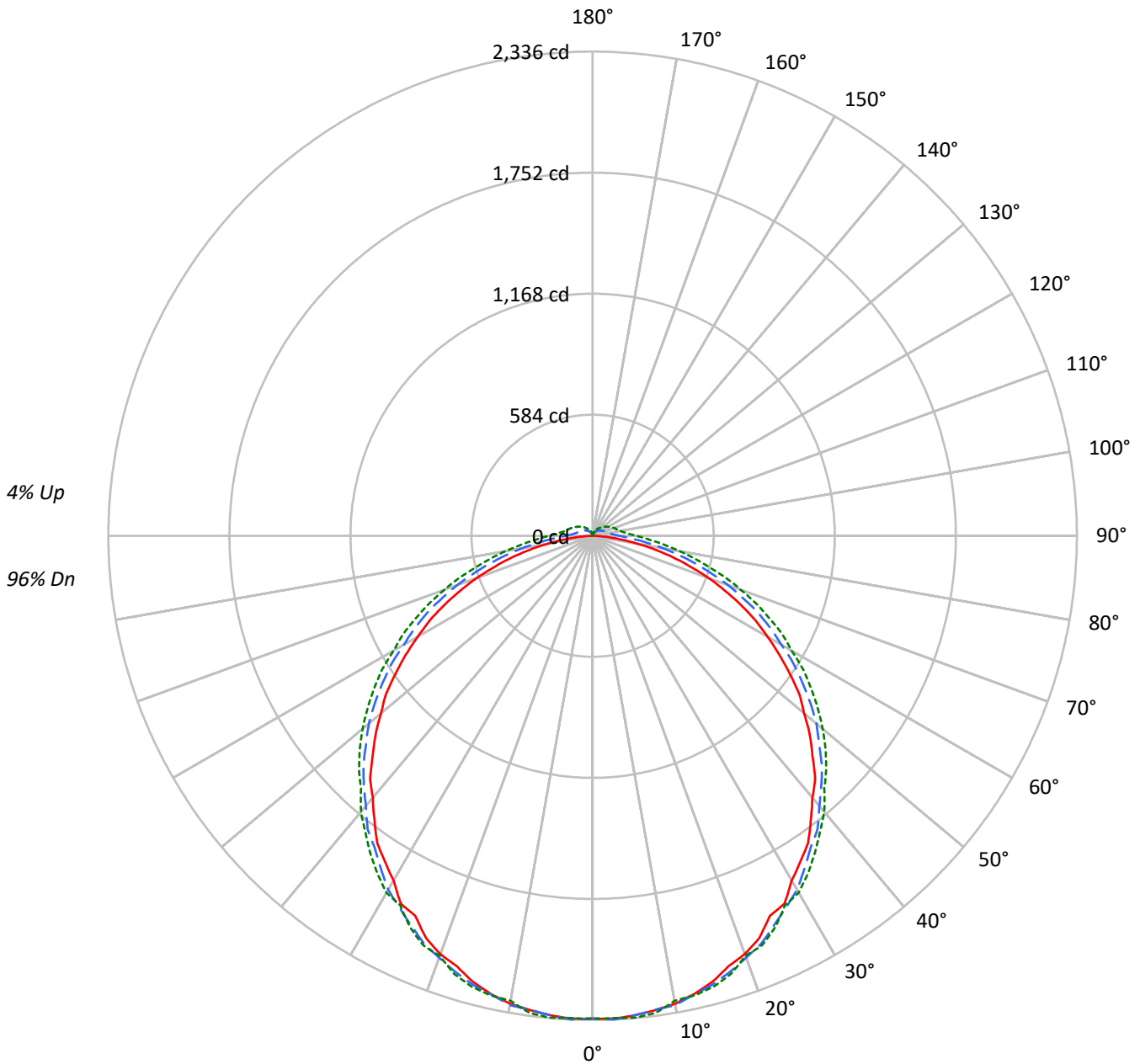
Lumens per Lamp: N/A
Luminaire Lumens: 7185.0 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 3.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96																			
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79																			
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	65																			
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54																			
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	46																			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40																			
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	35																			
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31																			
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25																			
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8143	8143	8143
5°	8117	8025	8046
10°	8071	7913	7804
15°	7969	7741	7727
20°	7856	7569	7466
25°	7641	7383	7337
30°	7552	7221	7177
35°	7487	6963	6976
40°	7249	6757	6769
45°	7090	6564	6538
50°	6867	6326	6332
55°	6642	6011	6070
60°	6311	5624	5715
65°	5947	5280	5398
70°	5408	4769	4967
75°	4608	4141	4435
80°	3472	3449	3960
85°	1845	2756	3534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	3.1
10°-20°	631.9	8.8
20°-30°	953.5	13.3
30°-40°	1150.7	16.0
40°-50°	1199.2	16.7
50°-60°	1099.2	15.3
60°-70°	862.0	12.0
70°-80°	532.9	7.4
80°-90°	226.0	3.1
90°-100°	99.0	1.4
100°-110°	70.2	1.0
110°-120°	52.7	0.7
120°-130°	37.6	0.5
130°-140°	24.8	0.3
140°-150°	14.7	0.2
150°-160°	7.0	0.1
160°-170°	2.3	0.0
170°-180°	0.3	0.0
0°-30°	1806.5	25.1
0°-40°	2957.2	41.2
0°-60°	5255.6	73.1
0°-90°	6876.4	95.7
90°-120°	221.9	3.1
90°-150°	298.9	4.2
90°-180°	309.0	4.3
0°-180°	7185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2330	2330	2330	2330	2330	
5°	2322	2327	2322	2322	2334	221
15°	2229	2234	2241	2248	2252	628
25°	2023	2058	2072	2075	2084	941
35°	1811	1818	1834	1864	1869	1126
45°	1500	1519	1563	1586	1594	1158
55°	1161	1192	1236	1262	1287	1037
65°	790	820	881	916	939	779
75°	400	442	509	565	579	424
85°	70	126	208	269	294	89
90°	5	54	128	185	208	4
95°	0	35	94	140	161	0
105°	0	26	70	108	122	0
115°	0	21	56	86	98	0
125°	0	19	44	65	77	0
135°	0	14	35	49	58	0
145°	2	12	26	35	40	1
155°	2	7	16	23	26	1
165°	2	5	7	12	12	1
175°	2	2	2	2	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2329.5	2329.5	2329.5	2329.5	2329.5
2.5°	2331.8	2341.2	2336.5	2331.8	2329.5
5°	2322.5	2327.1	2322.5	2322.5	2334.2
7.5°	2308.5	2315.5	2306.1	2320.1	2322.5
10°	2292.1	2301.4	2299.1	2303.8	2278.1
12.5°	2264.1	2275.7	2266.4	2278.1	2271.1
15°	2229.0	2233.7	2240.7	2247.7	2252.4
17.5°	2177.6	2198.6	2205.6	2212.7	2217.3
20°	2147.2	2158.9	2165.9	2163.6	2156.6
22.5°	2100.5	2107.5	2128.5	2123.9	2137.9
25°	2023.4	2058.4	2072.5	2074.8	2084.1
27.5°	2002.4	2004.7	2021.1	2035.1	2009.4
30°	1920.6	1948.6	1972.0	1979.0	1988.4
32.5°	1864.5	1887.9	1901.9	1927.6	1932.3
35°	1810.8	1817.8	1834.1	1864.5	1869.2
37.5°	1729.0	1750.0	1782.7	1799.1	1801.4
40°	1649.6	1675.3	1701.0	1719.7	1738.3
42.5°	1588.8	1602.8	1633.2	1656.6	1654.2
45°	1500.0	1518.7	1563.1	1586.5	1593.5
47.5°	1420.6	1448.6	1481.3	1516.4	1523.4
50°	1331.8	1362.2	1408.9	1434.6	1448.6
52.5°	1257.0	1275.7	1322.5	1348.2	1369.2
55°	1161.2	1191.6	1236.0	1261.7	1287.4
57.5°	1067.8	1105.2	1149.6	1191.6	1205.6
60°	974.3	1011.7	1051.4	1098.1	1107.5
62.5°	885.5	925.2	967.3	1014.0	1032.7
65°	789.7	820.1	880.9	915.9	939.3
67.5°	689.3	726.6	785.1	824.8	852.8
70°	595.8	637.9	693.9	743.0	759.4
72.5°	493.0	544.4	598.1	649.5	672.9
75°	399.5	441.6	509.4	565.4	579.4
77.5°	310.8	350.5	422.9	479.0	500.0
80°	217.3	266.4	343.5	399.5	425.2
82.5°	137.9	189.3	268.7	329.4	357.5
85°	70.1	126.2	207.9	268.7	294.4
87.5°	23.4	79.4	158.9	222.0	247.7
90°	4.7	53.7	128.5	184.6	207.9
92.5°	0.0	39.7	107.5	158.9	179.9
95°	0.0	35.0	93.5	140.2	161.2
97.5°	0.0	32.7	86.5	128.5	144.9
100°	0.0	30.4	79.4	119.2	135.5
102.5°	0.0	28.0	74.8	112.2	128.5
105°	0.0	25.7	70.1	107.5	121.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.4	60.7	88.8	102.8
115°	0.0	21.0	56.1	86.5	98.1
117.5°	0.0	21.0	53.7	79.4	91.1
120°	0.0	18.7	49.1	74.8	86.5
122.5°	0.0	18.7	46.7	72.4	81.8
125°	0.0	18.7	44.4	65.4	77.1
127.5°	0.0	16.4	42.1	63.1	70.1
130°	0.0	16.4	39.7	58.4	65.4
132.5°	0.0	14.0	37.4	53.7	60.7
135°	0.0	14.0	35.0	49.1	58.4
137.5°	0.0	14.0	32.7	46.7	51.4
140°	0.0	11.7	30.4	42.1	49.1
142.5°	2.3	11.7	25.7	39.7	44.4
145°	2.3	11.7	25.7	35.0	39.7
147.5°	2.3	9.3	23.4	32.7	37.4
150°	2.3	9.3	21.0	28.0	32.7
152.5°	2.3	7.0	18.7	25.7	28.0
155°	2.3	7.0	16.4	23.4	25.7
157.5°	2.3	7.0	14.0	18.7	21.0
160°	2.3	4.7	11.7	16.4	18.7
162.5°	2.3	4.7	9.3	14.0	16.4
165°	2.3	4.7	7.0	11.7	11.7
167.5°	2.3	4.7	7.0	9.3	9.3
170°	2.3	2.3	4.7	7.0	7.0
172.5°	2.3	2.3	4.7	4.7	4.7
175°	2.3	2.3	2.3	2.3	4.7
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	0.0	25.7	67.8	100.5	114.5
110°	0.0	23.4	63.1	95.8	109.8



(END OF REPORT)